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able richness and that the whole area around the San Juan river is extremely rich in auriferous deposits. The paper was discussed by Mr. Nicholas, who reiterated his statements that the gold-bearing clay deposits are not as extensive as they at first may seem to be, and that they are isolated to a few small localities now being dissected and drained by small streams.

RICHARD E. DODGE,
Secretary.

ANNUAL MEETING OF THE NEW YORK SECTION OF THE AMERICAN CHEMICAL SOCIETY.

THE annual meeting of the New York Section of the American Chemical Society was held at the College of the City of New York on Friday evening, October 15th, Dr. William McMurtrie presiding and fifty-two members present. The result of the election of officers for the ensuing year was as follows: Dr. William McMurtrie, Chairman; Dr. Durand Woodman, Secretary and Treasurer; Drs. C. A. Doremus, A. C. Hale and A. A. Breneman, Executive Committee; Dr. McMurtrie, C. F. McKenna and Marston T. Bogert, Delegates to the Scientific Alliance of New York.

Brief remarks were made by the Chairman on the death of Dr. M. Alsberg, one of the eight original founders of the Society, and an obituary notice by Dr. H. Endemann was read by the Secretary.

A paper was read by Professor P. C. McIlhiney on 'Some Experiments on Thermo-electric Pyrometry,' in which a very expensive form of electric pyrometer was described and directions given for its arrangement. Dr. McMurtrie made an address on 'Recent Progress in Industrial Chemistry,' after which a vote of thanks was unanimously passed to the Chairman for his faithful and energetic efforts during the year to make the meetings interesting and successful.

DURAND WOODMAN,
Secretary.

THE ACADEMY OF SCIENCE OF ST. LOUIS.

AT the meeting of the Academy of Science of St. Louis, held on the evening of October 18, 1897, the Secretary presented in abstract a paper by Frank Collins Baker, entitled 'The

Molluscan Fauna of Western New York,' dealing with specimens collected by the author between July 5 and July 29, 1897, and based on some 1,500 specimens, representing 75 species, and giving exact data concerning weather, temperature and altitude for each station in 19 different localities visited. The paper enumerates 146 species and 10 varieties, including those previously recorded for the section with which it deals. The lingual dentition of *Bythinia tentaculata* is described and figured, and several species have been subjected to critical review.

Professor H. A. Runicke made some informal remarks on recent progress in our knowledge of the constitution of steel, with reference both to its microscopy and chemistry.

WILLIAM TRELEASE,
Recording Secretary.

NEW BOOKS.

Sleep; Its Physiology, Pathology, Hygiene and Psychology. MARIE DE MANACÉINE. London, Walter Scott, Ltd.; New York, Charles Scribner's Sons. 1897. Pp. vii + 341. \$1.25.

Elements of Comparative Zoology. J. S. KINGSLEY. New York, Henry Holt & Co. 1897. Pp. vii + 357.

Children's Ways. JAMES SULLY. New York, D. Appleton & Co. 1897. Pp. viii + 193. \$1.25.

The Living Substance as Such, and as Organism. GWENDOLEN FOULKE ANDREWS. Boston, Ginn & Co. 1897. Pp. 176.

Light, Visible and Invisible. SILVANUS P. THOMPSON. New York and London, The Macmillan Company. 1897. Pp. xii + 294.

Ordinary Differential Equations. JAMES MORRIS PAGE. New York and London, The Macmillan Company. 1897. Pp. xviii + 226. \$1.25.

A Text-Book of Special Pathological Anatomy. ERNST ZIEGLER. Translated and edited from the eighth German edition by Donald MacAlister and Henry W. Cattell. Sections IX.-XV. New York and London, The Macmillan Company. 1897. Pp. xv + 579—1221 + xxxi. \$4.00.